RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/919,162

Source: OIPE

Date Processed by STIC: 12/31/02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
        http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
            Or
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

O IPE

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 09/919,162

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 ✓ Wrapped Nucleics
Wrapped Aminos

The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 ____ Invalid Line Length

The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 ✓ Misaligned Amino
Numbering

The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 ____ Non-ASCII

The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 ____ Variable Length

Sequence(s) ____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 ____ PatentIn 2.0
"bug"

A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7 ____ Skipped Sequences
(OLD RULES)

Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 ____ Skipped Sequences
(NEW RULES)

Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 ____ Use of n's or Xaa's
(NEW RULES)

Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 ____ Invalid <213>
Response

Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11 ____ Use of <220>

Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32)   (Sec. 1.823 of Sequence Rules)

12 ____ PatentIn 2.0
"bug"

Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 ____ Misuse of n

n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

AMC/MH – Biotechnology Systems Branch – 08/21/2001

09919162

OIPE

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING   DATE: 12/31/2002
PATENT APPLICATION: US/09/919,162   TIME: 14:40:27

Input Set : A:\pto_vsk.txt
Output Set: N:\CRF4\12312002\I919162.raw

```
   1 <110> APPLICANT: Renauld, Jean-Christophe
   2         Dumoutier, Laure
   4 <120> TITLE OF INVENTION: Isolated Nucleic Acid Molecules Which Encode A Soluble IL-
TIF/IL-22
   5         Receptor or Binding
   6         Protein Which Binds to IL-TIF/IL-22, And Uses Thereof
   8 <130> FILE REFERENCE: LUD 5684.2
  10 <140> CURRENT APPLICATION NUMBER: US 09/919,162
C-->  11 <141> CURRENT FILING DATE: 2002-12-10
  16 <150> PRIOR APPLICATION NUMBER: US 60/245,495
  17 <151> PRIOR FILING DATE: 2000-03-11
  19 <150> PRIOR APPLICATION NUMBER: US60/234,583
W-->  20 <151> PRIOR FILING DATE: 2000-22-09
  22 <160> NUMBER OF SEQ ID NOS: 11
```

The type of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

nucleic wrap -
See error summary
sheet item 1

ERRORED SEQUENCES

```
  58 <210> SEQ ID NO: 5
  59 <211> LENGTH: 2271
  60 <212> TYPE: DNA
  61 <213> ORGANISM: Homo sapiens
  63 <400> SEQUENCE: 5
E-->  64 ctgccttaaa cccgggagtg attgtctgtt tgtggatttt acagtttcct ctttggtcct
  65 60
E-->  66 gagctggtta aaaggaacac tggttgcctg aacagtcaca cttgcaacca tgatgcctaa
  67 120
E-->  68 acattgcttt ctaggcttcc tcatcagttt cttccttact ggtgtagcag gaactcagtc
  69 180
E-->  70 aacgcatgag tctctgaagc ctcagagggt acaatttcag tcccgaaatt ttcacaacat
  71 240
E-->  72 tttgcaatgg cagcctggga gggcacttac tggcaacagc agtgtctatt ttgtgcagta
  73 300
E-->  74 caaaatatat ggacagagac aatggaaaaa taaagaagac tgttggggta ctcaagaact
  75 360
E-->  76 ctcttgtgac cttaccagtg aaacctcaga catacaggaa ccttattacg ggagggtgag
  77 420
E-->  78 ggcggcctcg gctgggagct actcagaatg gagcatgacg ccgcggttca ctccctggtg
  79 480
E-->  80 ggaaacaaaa atagatcctc cagtcatgaa tataacccaa gtcaatggct ctttgttggt
  81 540
E-->  82 aattctccat gctccaaatt taccatatag ataccaaaag gaaaaaaatg tatctataga
  83 600
```

E--> 84 agattactat gaactactat accgagtttt tataattaac aattcactag aaaaggagca

```
        85 660
E--> 86 aaaggtttat gaaggggctc acagagcggt tgaaattgaa gctctaacac cacactccag
        87 720
E--> 88 ctactgtgta gtggctgaaa tatatcagcc catgttagac agaagaagtc agagaagtga
        89 780
E--> 90 agagagatgt gtggaaattc catgacttgt ggaatttggc attcagcaat gtggaaattc
        91 840
E--> 92 taaagctccc tgagaacagg atgactcgtg tttgaaggat cttatttaaa attgtttttg
        93 900
E--> 94 tattttctta aagcaatatt cactgttaca ccttggggac ttctttgttt atccattctt
        95 960
E--> 96 ttatcctttа tatttcattt gtaaactata tttgaacgac attcccccg aaaaattgaa
        97 1020
E--> 98 atgtaaagat gaggcagaga ataaagtgtt ctatgaaatt cagaacttta tttctgaatg
        99 1080
E--> 100 taacatccct aataacaacc ttcattcttc taatacagca aaataaaaat ttaacaacca
        101 1140
E--> 102 aggaatagta tttaagaaaa tgttgaaata atttttttaa aatagcatta cagactgagg
        103 1200
E--> 104 cggtcctgaa gcaatggttt ttcactctct tattgagcca attaaattga cattgctttg
        105 1260
E--> 106 acaatttaaa acttctataa aggtgaatat ttttcataca tttctatttt atatgaatat
        107 1320
E--> 108 actttttata tatttattat tattaaatat ttctacttaa tgaatcaaaa ttttgtttta
        109 1380
E--> 110 aagtctactt tatgtaaata agaacaggtt ttggggaaaa aaatcttatg atttctggat
        111 1440
E--> 112 tgatatctga attaaaacta tcaacaacaa ggaagtctgc tctgtacaat tgtccctcat
        113 1500
E--> 115 ttaaaagata tattaagctt ttcttttctg tttgtttttg ttttgtttag tttttaatcc
        116 1560
E--> 117 tgtcttagaa gaacttatct ttattctcaa aattaaatgt aatttttta gtgacaaaga
        118 1620
E--> 119 agaaaggaaa cctcattact caatccttct ggccaagagt gtcttgcttg tggcgccttc
        120 1680
E--> 121 ctcatctcta tataggagga tcccatgaat gatggtttat tgggaactgc tggggtcgac
        122 1740
E--> 123 cccatacaga gaactcagct  tgaagctgga agcacacagt gggtagcagg agaaggaccg
        124 1800
E--> 125 gtgttggtag gtgcctacag agactataga gctagacaaa gccctccaaa ctggcccctc
        126 1860
E--> 127 ctgctcactg cctctcctga gtagaaatct ggtgacctaa ggctcagtgt ggtcaacaga
        128 1920
E--> 129 aagctgcctt cttcacttga ggctaagtct tcatatatgt ttaaggttgt ctttctagtg
        130 1980
E--> 131 aggagataca tatcagagaa catttgtaca attccccatg aaaattgctc caaagttgat
        132 2040
E--> 133 aacaatatag tcggtgcttc tagttatatg caagtactca gtgataaatg gattaaaaaa
        134 2100
```

RAW SEQUENCE LISTING   DATE: 12/31/2002
PATENT APPLICATION: US/09/919,162   TIME: 14:40:27

Input Set : A:\pto_vsk.txt
Output Set: N:\CRF4\12312002\I919162.raw

```
E--> 135 tattcagaaa tgtattgggg ggtggaggag aataagaggc agagcaagag ctagagaatt
     136 2160
E--> 137 ggtttccttg cttccctgta tgctcagaaa acattgattt gagcatagac gcagagactg
     138 2220
E--> 139 aaaaaaaaat ttactttgat ctctgttttt gaattcttat tatttatatt t
     140 2271
     142 <210> SEQ ID NO: 6
     143 <211> LENGTH: 231
     144 <212> TYPE: PRT
     145 <213> ORGANISM: Homo sapiens
     147 <400> SEQUENCE: 6
     148 Met Met Pro Lys His Cys Phe Leu Gly Phe Leu Ile Ser Phe Phe Leu
E--> 149                             5                           10
E--> 150 15
     151 Thr Gly Val Ala Gly Thr Gln Ser Thr His Glu Ser Leu Lys Pro Gln
E--> 152                     20                          25
E--> 153 30
     154 Arg Val Gln Phe Gln Ser Arg Asn Phe His Asn Ile Leu Gln Trp Gln
E--> 155             35                          40
E--> 156 45
     157 Pro Gly Arg Ala Leu Thr Gly Asn Ser Ser Val Tyr Phe Val Gln Tyr
E--> 158         50                      55                      60
     159 Lys Ile Tyr Gly Gln Arg Gln Trp Lys Asn Lys Glu Asp Cys Trp Gly
E--> 160 65                      70                      75
E--> 161 80
     162 Thr Gln Glu Leu Ser Cys Asp Leu Thr Ser Glu Thr Ser Asp Ile Gln
E--> 163                     85                          90
E--> 164 95
     165 Glu Pro Tyr Tyr Gly Arg Val Arg Ala Ala Ser Ala Gly Ser Tyr Ser
E--> 166                     100                         105
E--> 167 110
     168 Glu Trp Ser Met Thr Pro Arg Phe Thr Pro Trp Trp Glu Thr Lys Ile
E--> 169             115                         120                     125
     170 Asp Pro Pro Val Met Asn Ile Thr Gln Val Asn Gly Ser Leu Leu Val
E--> 171         130                         135                     140
     172 Ile Leu His Ala Pro Asn Leu Pro Tyr Arg Tyr Gln Lys Glu Lys Asn
E--> 173 145                         150                         155
E--> 174 160
     175 Val Ser Ile Glu Asp Tyr Tyr Glu Leu Leu Tyr Arg Val Phe Ile Ile
E--> 176                         165                         170
E--> 177 175
     180 Asn Asn Ser Leu Glu Lys Glu Gln Lys Val Tyr Glu Gly Ala His Arg
E--> 181                     180                         185
E--> 182 190
     183 Ala Val Glu Ile Glu Ala Leu Thr Pro His Ser Ser Tyr Cys Val Val
E--> 184             195                         200                     205
     185 Ala Glu Ile Tyr Gln Pro Met Leu Asp Arg Arg Ser Gln Arg Ser Glu
E--> 186         210                         215                     220
     187 Glu Arg Cys Val Glu Ile Pro
```

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors. ✓ amino numbering misaligned, see item 3 on error summary sheet

RAW SEQUENCE LISTING   DATE: 12/31/2002
PATENT APPLICATION: US/09/919,162   TIME: 14:40:27

Input Set : A:\pto_vsk.txt
Output Set: N:\CRF4\12312002\I919162.raw

E--> 188 225   230
    217 <210> SEQ ID NO: 10
    218 <211> LENGTH: 2366
    219 <212> TYPE: DNA
    220 <213> ORGANISM: Homo sapiens
    223 <400> SEQUENCE: 10
E--> 224 ctgccttaaa cccgggagtg attgtctgtt tgtggatttt acagtttcct ctttggtcct
    225 60
E--> 226 gagctggtta aaaggaacac tggttgcctg aacagtcaca cttgcaacca tgatgcctaa
    227 120
E--> 228 acattgcttt ctaggcttcc tcatcagttt cttccttact ggtgtagcag gaactcagtc
    229 180
E--> 230 aacgcatgag tctctgaagc ctcagagggt acaatttcag tcccgaaatt ttcacaacat
    231 240
E--> 232 tttgcaatgg cagcctggga gggcacttac tggcaacagc agtgtctatt ttgtgcagta
    233 300
E--> 234 caaaatcatg ttctcatgca gcatgaaaag ctctcaccag agccaagtgg atgcttggca
    235 360
E--> 236 gcacatttct tgtaacttcc caggctgcag aacattggct aaatatggac agagacaatg
    237 420
E--> 238 gaaaaataaa gaagactgtt ggggtactca agaactctct tgtgacctta ccagtgaaac
    239 480
E--> 240 ctcagacata caggaacctt attacgggag ggtgagggcg cctcggctg ggagctactc
    241 540
E--> 242 agaatggagc atgacgccgc ggttcactcc ctggtgggaa acaaaaatag atcctccagt
    243 600
E--> 244 catgaatata acccaagtca atggctcttt gttggtaatt ctccatgctc caaatttacc
    245 660
E--> 246 atatagatac caaaaggaaa aaaatgtatc tatagaagat tactatgaac tactataccg
    247 720
E--> 248 agtttttata attaacaatt cactagaaaa ggagcaaaag gtttatgaag gggctcacag
    249 780
E--> 250 agcggttgaa attgaagctc taacaccaca ctccagctac tgtgtagtgg ctgaaatata
    251 840
E--> 252 tcagcccatg ttagacagaa gaagtcagag aagtgaagag agatgtgtgg aaattccatg
    253 900
E--> 254 acttgtggaa tttggcattc agcaatgtgg aaattctaaa gctccctgag aacaggatga
    255 960
E--> 256 ctcgtgtttg aaggatctta tttaaaattg ttttttgtatt ttcttaaagc aatattcact
    257 1020
E--> 258 gttacacctt ggggacttct ttgtttatcc attctttat cctttatatt tcatttgtaa
    259 1080
E--> 260 actatatttg aacgacattc cccccgaaaa attgaaatgt aaagatgagg cagagaataa
    261 1140
E--> 262 agtgttctat gaaattcaga actttatttc tgaatgtaac atccctaata acaaccttca
    263 1200
E--> 264 ttcttctaat acagcaaaat aaaaatttaa caaccaagga atagtattta agaaaatgtt
    265 1260
E--> 266 gaaataattt ttttaaaata gcattacaga ctgaggcggt cctgaagcaa tggttttca

RAW SEQUENCE LISTING   DATE: 12/31/2002
PATENT APPLICATION: US/09/919,162   TIME: 14:40:27

Input Set : A:\pto_vsk.txt
Output Set: N:\CRF4\12312002\I919162.raw

```
        267 1320
E--> 268 ctctcttatt gagccaatta aattgacatt gctttgacaa tttaaaactt ctataaaggt
        269 1380
E--> 270 gaatattttt catacatttc tattttatat gaatatactt tttatatatt tattattatt
        271 1440
E--> 272 aaatatttct acttaatgaa tcaaaatttt gttttaaagt ctactttatg taaataagaa
        273 1500
E--> 274 caggttttgg ggaaaaaaat cttatgattt ctggattgat atctgaatta aaactatcaa
        275 1560
E--> 276 caacaaggaa gtctgctctg tacaattgtc cctcatttaa aagatatatt aagcttttct
        277 1620
E--> 278 tttctgtttg tttttgtttt gtttagtttt taatcctgtc ttagaagaac ttatctttat
        279 1680
E--> 280 tctcaaaatt aaatgtaatt tttttagtga caaagaagaa aggaaacctc attactcaat
        281 1740
E--> 282 ccttctggcc aagagtgtct tgcttgtggc gccttcctca tctctatata ggaggatccc
        283 1800
E--> 284 atgaatgatg gtttattggg aactgctggg gtcgacccca tacagagaac tcagcttgaa
        285 1860
E--> 286 gctggaagca cacagtgggt agcaggagaa ggaccggtgt tggtaggtgc ctacagagac
        287 1920
E--> 288 tatagagcta gacaaagccc tccaaactgg cccctcctgc tcactgcctc tcctgagtag
        289 1980
E--> 290 aaatctggtg acctaaggct cagtgtggtc aacagaaagc tgccttcttc acttgaggct
        291 2040
E--> 292 aagtcttcat atatgtttaa ggttgtcttt ctagtgagga gatacatatc agagaacatt
        293 2100
E--> 294 tgtacaattc cccatgaaaa ttgctccaaa gttgataaca atatagtcgg tgcttctagt
        295 2160
E--> 296 tatatgcaag tactcagtga taaatggatt aaaaaatatt cagaaatgta ttggggggtg
        297 2220
E--> 298 gaggagaata agaggcagag caagagctag agaattggtt tccttgcttc cctgtatgct
        299 2280
E--> 300 cagaaaacat tgatttgagc atagacgcag agactgaaaa aaaaatttac tttgatctct
        301 2340
E--> 302 gttttttgaat cttattatt tatattt
E--> 303 2367
        308 <210> SEQ ID NO: 11
E--> 309 <212> TYPE: 263 ———————→ change to <211>
W--> 310 <212> TYPE: PRT
        311 <213> ORGANISM: Homo sapiens
E--> 313 <211> LENGTH:
        313 <400> SEQUENCE: 11
        315 Met Met Pro Lys His Cys Phe Leu Gly Phe Leu Ile Ser Phe Phe Leu
        316                                 5                          10
        317 15
        318 Thr Gly Val Ala Gly Thr Gln Ser Thr His Glu Ser Leu Lys Pro Gln
        319                        20                          25
        320 30
```

RAW SEQUENCE LISTING   DATE: 12/31/2002
PATENT APPLICATION: US/09/919,162   TIME: 14:40:27

Input Set : A:\pto_vsk.txt
Output Set: N:\CRF4\12312002\I919162.raw

Same error

321 Arg Val Gln Phe Gln Ser Arg Asn Phe His Asn Ile Leu Gln Trp Gln
322   35   40
323 45
324 Pro Gly Arg Ala Leu Thr Gly Asn Ser Ser Val Tyr Phe Val Gln Tyr
325   50   55   60
326 Lys Ile Met Phe Ser Cys Ser Met Lys Ser Ser His Gln Ser Gln Val
327 65   70   75
328 80
329 Asp Ala Trp Gln His Ile Ser Cys Asn Phe Pro Gly Cys Arg Thr Leu
330   85   90
331 95
332 Ala Lys Tyr Gly Gln Arg Gln Trp Lys Asn Lys Glu Asp Cys Trp Gly
333   100   105
334 110
335 Thr Gln Glu Leu Ser Cys Asp Leu Thr Ser Glu Thr Ser Asp Ile Gln
336   115   120   125
337 Glu Pro Tyr Tyr Gly Arg Val Arg Ala Ala Ser Ala Gly Ser Tyr Ser
338   130   135   140
339 Glu Trp Ser Met Thr Pro Arg Phe Thr Pro Trp Trp Glu Thr Lys Ile
340 145   150   155
341 160
342 Asp Pro Pro Val Met Asn Ile Thr Gln Val Asn Gly Ser Leu Leu Val
343   165   170
344 175
345 Ile Leu His Ala Pro Asn Leu Pro Tyr Arg Tyr Gln Lys Glu Lys Asn
346   180   185
347 190
348 Val Ser Ile Glu Asp Tyr Tyr Glu Leu Leu Tyr Arg Val Phe Ile Ile Asn
349   195   200   205
350 Asn Ser Leu Glu Lys Glu Gln Lys Val Tyr Glu Gly Ala His Arg Ala Val
351 210   215   220
352 225
353 Glu Ile Glu Ala Leu Thr Pro His Ser Ser Tyr Cys Val Val Ala Glu
354   230   235
355 240
356 Ile Tyr Gln Pro Met Leu Asp Arg Arg Ser Gln Arg Ser Glu Glu Arg
358   245   250   255
359 Cys Val Glu Ile Pro
360   260

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 12/31/2002
PATENT APPLICATION: **US/09/919,162**   TIME: 14:40:28

Input Set : **A:\pto_vsk.txt**
Output Set: **N:\CRF4\12312002\I919162.raw**

<u>Invalid Line Length:</u>
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:5; Line(s) 64,66,68,70,72,74,76,78,80,82,84,86,88,90,92,94,96,98,100
Seq#:5; Line(s) 102,104,106,108,110,112,115,117,119,121,125,127,129,131,133
Seq#:5; Line(s) 135,137,139
Seq#:6; Line(s) 149,152,158,160,163,166,169,171,173,176,181,186
Seq#:10; Line(s) 224,226,228,230,232,234,236,238,240,242,244,246,248,250
Seq#:10; Line(s) 252,254,256,258,260,262,264,266,268,270,272,274,276,278
Seq#:10; Line(s) 280,282,284,286,288,290,292,294,296,298,300,302
Seq#:11; Line(s) 316,319,327,330,333,336,338,340,343,346,349,351,354,358

VERIFICATION SUMMARY
PATENT APPLICATION: **US/09/919,162**

DATE: 12/31/2002
TIME: 14:40:28

Input Set : **A:\pto_vsk.txt**
Output Set: **N:\CRF4\12312002\I919162.raw**

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:20 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:64 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:5
M:254 Repeated in SeqNo=5
L:149 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:6
M:332 Repeated in SeqNo=6
L:224 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:10
M:254 Repeated in SeqNo=10
L:303 M:252 E: No. of Seq. differs, <211> LENGTH:Input:2366 Found:2367 SEQ:10
L:309 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
L:310 M:280 W: Numeric Identifier already exists, Type not replaced.
L:313 M:282 E: Numeric Field Identifier Missing, <211> is required.